

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number  
**WO 2005/085050 A1**

(51) International Patent Classification<sup>7</sup>: **B62H 5/00**

(21) International Application Number:  
PCT/KR2005/000643

(22) International Filing Date: 8 March 2005 (08.03.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2004-0015695 9 March 2004 (09.03.2004) KR

(71) Applicant and

(72) Inventor: **SHIN, Keon Soo** [KR/KR]; Woonin Akrium  
Vill 1036, 730, Janghang 2-dong, Ilsan-gu, Goyang-si,  
Gyeonggi-do 411-837 (KR).

(74) Agent: **CHO, Chul Hyun**; Yeosam Bldg., 10F.648-23,  
Yoksam-dong, Gangnam-gu, Seoul 135-748 (KR).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

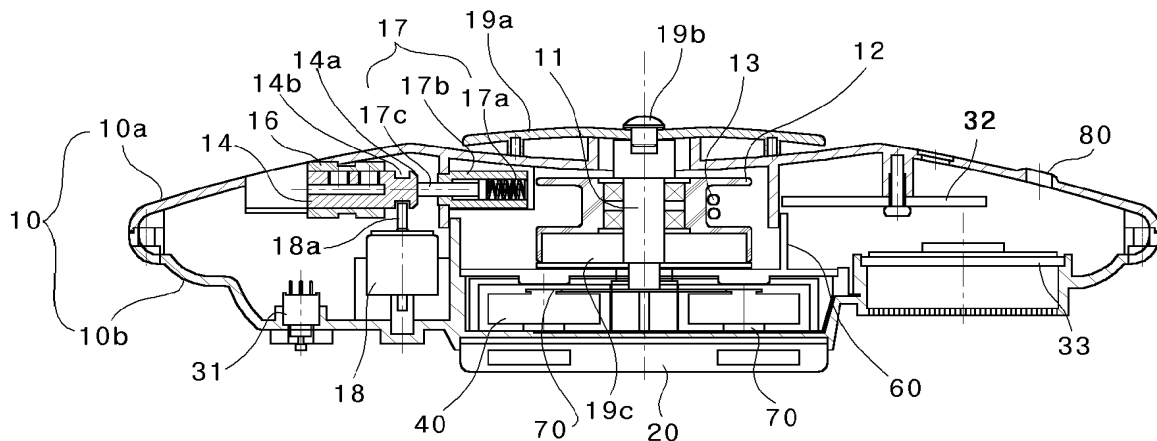
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: BURGLARPROOF DEVICE FOR BICYCLE



(57) Abstract: An burglarproof device for a bicycle includes a locking means for safely storing a bicycle, an installation means for easily installing the locking on the frame of the bicycle, and an alarming means for generating an alarm to the exterior for proper action when an unauthorized person attempts to steal the bicycle. The bicycle owner can fix his bicycle to an object and lock it in a more convenient and easier manner. The locking means includes a body, a wire drum, a wire, a clamp jig, a wiring, a tension mechanism, and a solenoid unit. The installation means includes a bracket, a latch, a band, and a clasp. The alarming means includes a disconnection detection loop, a switch, a controller, and an alarm.

WO 2005/085050 A1